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EFS ID: 57478
Application ID: 10698180
Title of Invention: OPTIMAL SPREADER SYSTEM,
DEVICE AND METHOD FOR FLUID
COOLED MICRO-SCALED HEAT
EXCHANGE
First Named Inventor: Girish Upadhy
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TRANSMITTAL

Electronic Version v1.1
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Title of Invention	OPTIMAL SPREADER SYSTEM, DEVICE AND METHOD FOR FLUID COOLED MICRO-SCALED HEAT EXCHANGE							
<p>Application Number: 10/698180 </p> <p>Date: 2003-10-30</p> <p>First Named Applicant: Girish Upadhyia</p> <p>Confirmation Number: 9903</p> <p>Attorney Docket Number:</p>								
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<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Submitted by:</td> <td style="width: 25%;">Elec. Sign.</td> <td style="width: 25%;">Sign. Capacity</td> </tr> <tr> <td>Thomas B. Haverstock Registered Number: 32571</td> <td>/tbh/</td> <td>Attorney</td> </tr> </table>			Submitted by:	Elec. Sign.	Sign. Capacity	Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney
Submitted by:	Elec. Sign.	Sign. Capacity						
Thomas B. Haverstock Registered Number: 32571	/tbh/	Attorney						
<table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Documents being submitted us-ids </td> <td style="width: 50%; vertical-align: top;"> Files COOL00800A-usidst.xml us-ids.dtd us-ids.xsl </td> </tr> </table>			Documents being submitted us-ids	Files COOL00800A-usidst.xml us-ids.dtd us-ids.xsl				
Documents being submitted us-ids	Files COOL00800A-usidst.xml us-ids.dtd us-ids.xsl							
Comments								

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of
Invention

OPTIMAL SPREADER SYSTEM, DEVICE AND METHOD
FOR FLUID COOLED MICRO-SCALED HEAT EXCHANGE

Application Number: 10/698180



Confirmation Number: 9903

First Named Applicant: Girish Upadhyia

Attorney Docket Number:

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or 3929154 or 4109707 or 4194559 or 4248295
or 4312012 or 4450472 or 4485429 or 4516632
or 4561040 or 4567505 or 4573067 or 4664181
or 4866570 or 4868712 or 4894709 or 4896719
or 4908112 or 4938280 or 5009760 or 5016138
or 5057908 or 5058627 or 5070040 or 5083194
or 5088005 or 5096388 or 5099311 or 5099910
or 5125451 or 5131233 or 5203401 or 5218515
or 5219278 or 5232047 or 5239200 or 5263251
or 5274920 or 5309319 or 5317805 or 5325265
or 5336062 or 5380956 or 5383340 or 5427174
or 5436793 or 5459099).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
/LC	1	3654988	1972-04-11	Clayton, III			
	2	3817321	1974-06-18	von Cube et al.			
	3	3823572	1974-07-16	Cochran, Jr.			
	4	3923426	1975-12-02	Theeuwes			
	5	3929154	1975-12-30	Goodwin			
	6	4109707	1978-08-29	Wilson et al.			
	7	4194559	1980-03-25	Eastman			
	8	4248295	1981-02-03	Ernst et al.			
	9	4312012	1982-01-19	Frieser et al.			
/LC	10	4450472	1984-05-22	Tuckerman et al.			

/LC/	11	4485429	1984-11-27	Mittal
	12	4516632	1985-05-14	Swift et al.
	13	4561040	1985-12-24	Eastman et al.
	14	4567505	1986-01-28	Pease et al.
	15	4573067	1986-02-25	Tuckerman et al.
	16	4664181	1987-05-12	Sumberg
	17	4866570	1989-09-12	Porter
	18	4868712	1989-09-19	Woodman
	19	4894709	1990-01-16	Phillips et al.
	20	4896719	1990-01-30	O'Neill et al.
	21	4908112	1990-03-13	Pace
	22	4938280	1990-07-03	Clark
	23	5009760	1991-04-23	Zare et al.
	24	5016138	1991-05-14	Woodman
	25	5057908	1991-10-15	Weber
	26	5058627	1991-10-22	Brannen
	27	5070040	1991-12-03	Pankove
	28	5083194	1992-01-21	Bartilson
	29	5088005	1992-02-11	Ciaccio
	30	5096388	1992-03-17	Weinberg
	31	5099311	1992-03-24	Bonde et al.
	32	5099910	1992-03-31	Walpole et al.
	33	5125451	1992-01-30	Matthews
	34	5131233	1992-07-21	Cray et al.
	35	5203401	1993-04-20	Hamburgen et al.
	36	5218515	1993-06-08	Bernhardt
	37	5219278	1993-06-15	Van Lintel
	38	5232047	1993-08-03	Matthews
	39	5239200	1993-08-24	Messina et al.
	40	5263251	1993-11-23	Matthews
	41	5274920	1994-01-04	Matthews
	42	5309319	1994-05-03	Messina
	43	5317805	1994-06-07	Hoopman et al.
	44	5325265	1994-06-28	Turlik et al.
✓	45	5336062	1994-08-09	Richter
/LC/	46	5380956	1995-01-10	Loo et al.

/LC/	47	5383340	1995-01-24	Larson et al.
↓	48	5427174	1995-06-27	Lomolino, Sr. et al.
↓	49	5436793	1995-07-25	Sanwo et al.
/LC/	50	5459099	1995-10-17	Hsu

Signature

Examiner Name	Date
/Ljiljana Ciric/ (11/26/2008)	11/26/2008